

INTERNATIONAL SEARCH REPORT

International Patent No.
PCT/DE 03/03293

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 B60J10/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 B60J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 448 430 A (BRIGHT ROBERT G) 15 May 1984 (1984-05-15) abstract column 2, line 9-60 column 3, line 53-62 claims 1,5 figure 4	1,3,6
X	GB 2 161 525 A (DRAFTEX IND LTD) 15 January 1986 (1986-01-15) page 1, line 50 -page 2, line 52 figures 1-5	1
X	DE 100 05 642 A (METZELER AUTOMOTIVE PROFILES) 23 August 2001 (2001-08-23) cited in the application abstract figures 1-3	1

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- *G* document member of the same patent family

Date of the actual completion of the international search

25 February 2004

Date of mailing of the international search report

09/03/2004

Name and mailing address of the ISA
European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Christensen, J

INTERNATIONAL SEARCH REPORT

Internation No
PCT/DE 03/03293

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 374 880 A (MESNEL FRANCOIS) 22 February 1983 (1983-02-22) abstract column 2, line 25-40 column 3, line 9-23 figures 7,8,15,16	1
A	EP 0 586 073 A (TOKAI KOGYO CO LTD) 9 March 1994 (1994-03-09) abstract figure 2	1
A	US 4 708 898 A (LAMBLIN JEAN-MICHEL ET AL) 24 November 1987 (1987-11-24) abstract column 3, line 1-35 figure 5	1

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Search Report No

PCT/DE 03/03293

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 4448430	A	15-05-1984	GB 2115043 A	01-09-1983
			DE 3301935 A1	04-08-1983
			ES 270001 Y	01-02-1984
			FR 2520468 A1	29-07-1983
			IT 1198515 B	21-12-1988
			JP 1852554 C	21-06-1994
			JP 5056433 B	19-08-1993
			JP 58134273 A	10-08-1983
GB 2161525	A	15-01-1986	DE 8519013 U1	07-11-1985
			FR 2567609 A3	17-01-1986
DE 10005642	A	23-08-2001	DE 10005642 A1	23-08-2001
US 4374880	A	22-02-1983	FR 2469321 A1	22-05-1981
			DE 3027366 A1	21-05-1981
			ES 8100783 A1	16-02-1981
			GB 2062733 A ,B	28-05-1981
			IT 1130142 B	11-06-1986
EP 0586073	A	09-03-1994	JP 3176442 B2	18-06-2001
			JP 6048172 A	22-02-1994
			JP 2944831 B2	06-09-1999
			JP 6047792 A	22-02-1994
			CA 2101366 A1	01-02-1994
			DE 69309195 D1	30-04-1997
			DE 69309195 T2	16-10-1997
			EP 0586073 A1	09-03-1994
			US 5433808 A	18-07-1995
			US 5500264 A	19-03-1996
US 4708898	A	24-11-1987	DE 3608222 A1	25-09-1986
			ES 296477 U	16-01-1988
			FR 2579151 A1	26-09-1986
			GB 2172924 A ,B	01-10-1986
			IT 1204036 B	01-03-1989
			JP 1976891 C	17-10-1995
			JP 7008636 B	01-02-1995
			JP 61215146 A	24-09-1986